

Application No.: 10/673,265Docket No.: 2336-206

ABSTRACT

~~The present invention relates to a~~ A wireless LAN antenna/card and wireless LAN card, which can transmit/receive RF signals in a high frequency band (e.g., 5GHz) and a low frequency band (e.g., 2.4GHz), ~~required in the wireless LAN. The wireless LAN antenna of the present invention~~ includes a radiation electrode, a matching electrode and a feeding electrode. The radiation electrode has a predetermined area to ~~determine~~ define a transmission/reception frequency band of the antenna. The matching electrode has at least one open stub. The feeding electrode has a feeding point formed at an arbitrary position of the feeding electrode to receive a current, ~~with a~~ first end connected to the radiation electrode, and a second end connected to the matching electrode. Further, the feeding point and a ground point are arbitrarily set on the feeding electrode, thus adjusting the impedance and frequency of the wireless LAN antenna.